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## **CLAIMS**

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- 1. A compound capable of acting as a cationic lipid, the compound comprising a cholesterol group having linked thereto a head group; and wherein the head group is more positive than the head group of DC-Chol; but wherein the compound is not synthesised by reacting spermidine and cholesterol chloroformate in  $CH_2Cl_2$  in the presence of N,N-diisoprophylethylamine.
- 2. A compound according to claim 1 wherein the cholesterol group is cholesterol.
- 3. A compound according to claim 1 or claim 2 wherein the cholesterol group is linked to the head group *via* a carbamoyl linkage.
- 4. A compound according to any one of claims 1 to 3 wherein the head group is a polyamine group.
  - 5. A compound according to claim 4 wherein the polyamine group is a naturally occurring polyamine.
- 20 6. A compound according to claim 5 wherein the polyamine is any one of spermidine, spermine or caldopentamine.
  - 7. A compound according to any one of claims 1 to 6 in admixture with or associated with a nucleotide sequence.
  - 8. A process of preparing a compound according to any one of claims 1 to 7 comprising reacting a cholesterol group with a head group.
- 9. A process according to claim 8 wherein the process comprises at least one step
  30 utilising aza-Wittig methodology.

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- 10. A compound according to any one of claims 1 to 7 or a compound when prepared by the process of claim 8 or claim 9 for use in therapy.
- 11. Use of a compound according to any one of claims 1 to 7 or a compound when prepared by the process of claim 8 or claim 9 in the manufacture of a medicament for the treatment of genetic disorder or condition or disease.

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- 12. A cationic liposome formed from the compound according to any one of claims 1 to 7 or a compound when prepared by the process of claim 8 or claim 9.
- 13. A method of preparing a cationic liposome comprising forming the cationic liposome from the compound according to any one of claims 1 to 7 or a compound when prepared by the process of claim 8 or claim 9.
- 15 14. A cationic liposome according to claim 12 or a cationic liposome as prepared by the method of claim 13 for use in therapy.
  - 15. Use of a cationic liposome according to claim 12 or a cationic liposome as prepared by the method of claim 13 in the manufacture of a medicament for the treatment of genetic disorder or condition or disease.
  - 16. A combination of a nucleotide sequence and any one or more of: a compound according to any one of claims 1 to 7, a compound when prepared by the process of claim 8 or claim 9, a cationic liposome according to claim 12, or a cationic liposome as prepared by the method of claim 13.
  - 17. A combination according to claim 16 for use in therapy.
- 18. Use of a combination according to claim 17 in the manufacture of a medicament for the treatment of genetic disorder or condition or disease.

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19. A pharmaceutical composition comprising a compound according to any one of claims 1 to 7 or a compound when prepared by the process of claim 8 or claim 9 admixed with a pharmaceutical and, optionally, admixed with a pharmaceutically acceptable diluent, carrier or excipient.

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20. A pharmaceutical composition comprising a cationic liposome according to claim 12 or a cationic liposome as prepared by the method of claim 13 admixed with a pharmaceutical and, optionally, admixed with a pharmaceutically acceptable diluent, carrier or excipient.

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- 21. A compound or a cationic liposome substantially as described herein and with reference to any one of the Figures.
- 22. A process substantially as described herein and with reference to any one of the Figures.